

MAR 17 2005

Substitute for form 1449A/PTO			Complete If Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	10/811,136	
			Filing Date	March 26, 2004	
			First Named Inventor	Rapp, Jeffrey C.	
			Art Unit	1632	
(Use as many sheets as necessary)			Examiner Name	Not Yet Assigned	
Sheet	1	of	3	Attorney Docket Number	AVI-025CIP

U.S. PATENT DOCUMENTS					
		Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Examiner	Cite No. ¹	Number Kind Code ² (<i>If known</i>)			
AS	1.	6,025,155	02-15-00	Hadlaczky, et al.	
AS	2.	6,743,967	06-01-04	Hadlaczky, et al.	
AS	3.	6,077,697	06-20-00	Hadlaczky, et al.	
AS	4.	2003/0113917	06-19-03	De Jong, et al.	
AS	5.	2003/0003435	01-02-03	De Jong, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴	Kind Code ⁵ (<i>If known</i>)		
AS	6.		WO 2002/097059		12-05-02	
AS	7.		WO 02/076508		10-03-02	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AS	8.	COLLAS, et al, Nuclear Localization Signal of SV40 T Antigen Directs Import of Plasmid DNA into Sea Urchin Male Pronuclei In Vitro, <i>Mol. Reprod. and Dev.</i> 45:431-438 (1996)	
AS	9.	COLLAS, et al, Nuclear Localization Signals: a driving force for nuclear transport of plasmid DNA in zebrafish, <i>Biochem. Cell Biol.</i> 75:633-640 (1997)	
AS	10.	COLLAS, et al, The nuclear localization sequence of the SV40 T antigen promotes transgene uptake and expression in zebrafish embryo nuclei, <i>Transgenic Research</i> 5, 451-458 (1996)	
AS	11.	BOULIKAS, Nuclear Localization Signals (NLS), <i>Critical Review in Eukaryotic Gene Expression</i> , 3(3):193-227 (1993)	
AS	12.	LORBACH, et al, Site-specific Recombination in Human Cells Catalyzed by Phage λ Integrase Mutants, <i>J. Mol. Biol.</i> , 296, 1175-1181 (2000)	

Examiner Signature	/Anoop Singh/	Date Considered	10/18/2006
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO			Complete If Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	10/811,136	
			Filing Date	March 26, 2004	
			First Named Inventor	Rapp, Jeffrey C.	
			Art Unit	1632	
(Use as many sheets as necessary)			Examiner Name	Not Yet Assigned	
Sheet	2	of	3	Attorney Docket Number	AVI-025CIP

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	AS	13. <i>THORPE</i> , et al, Control of directionality in the site-specific recombination system of the <i>Streptomyces</i> phage φC31, <i>Molecular Microbiology</i> , 38(2), 232-241 (2000)	
		14. <i>SCLIMENTI</i> , et al, Directed evolution of a recombinase for improved genomic integration at a native human sequence, <i>Nucleic Acids Research</i> , 29(24), 5044-5051 (2001)	
		15. <i>COATES</i> , et al, Purified <i>mariner</i> (<i>Mos1</i>) transposase catalyzes the integration of marked elements into the germ-line of the yellow fever mosquito, <i>Aedes aegypti</i> , <i>Insect Biochem and Mol. Biology</i> , 30, 1003-1008 (2000)	
		16. <i>ESPOSITO</i> , et al, The integrase family of tyrosine recombinases: evolution of a conserved active site domain, <i>Nucleic Acids Research</i> , 25;3605-3614 (1997)	
		17. <i>NUNES-DÜBY</i> , Similarities and differences among 105 members of the Int family of site-specific recombinases, <i>Nucleic Acids Research</i> , 26; 391-406 (1998)	
		18. <i>COKOL</i> , et al, Finding nuclear localization signals, <i>EMBO Reports</i> , 1(5):411-415 (2000)	
		19. <i>KUKOWSKA-LATTALO</i> , et al, Efficient transfer of genetic material into mammalian cells using starburst polyamidoamine dendrimers, <i>Proc. Natl. Acad. Sci. USA</i> 93:4897-4902 (1996)	
		20. <i>HARVEY</i> , et al, Expression of exogenous protein in the egg white of transgenic chickens, <i>Nature Biotech.</i> , 20:396-399 (2002)	
		21. <i>CSONKA</i> , et al, Novel generation of human satellite DNA-based artificial chromosomes in mammalian cells, <i>Journal of Cell Science</i> , 113:3207-3216 (2000)	
		22. <i>HADLACZKY</i> , et al, Centromere formation in mouse cells cotransformed with human DNA and a dominant marker gene, <i>Proc. Natl. Acad. Sci. USA</i> , 88:8106-8110 (1991)	
		23. <i>HADLACZKY</i> , et al, Satellite DNA-based artificial chromosomes for use in gene therapy, <i>Curr. Opin. Mol. Ther.</i> , Apr. 3(2):125-32 (2001)	
AS	24.	<i>LIPPS</i> , et al, Chromosome-based vectors for gene therapy, <i>Gene</i> , 304:23-33 (2003)	
AS	25.	<i>PRAZNOVSKY</i> , et al, <i>De novo</i> chromosome formation in rodent cells, <i>Proc. Natl. Acad. Sci. USA</i> , 88:11042-11046 (1991)	

Examiner Signature	/Anoop Singh/	Date Considered	10/18/2006
--------------------	---------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	10/811,136
			Filing Date	March 26, 2004
			First Named Inventor	Rapp, Jeffrey C.
			Art Unit	1632
(Use as many sheets as necessary)			Examiner Name	Not Yet Assigned
Sheet	3	of	3	Attorney Docket Number
			AVI-025CIP	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
AS	26.	<i>STEWART, et al, Retrofitting of a satellite repeat DNA-based murine artificial chromosome (ACes) to contain loxP recombination sites, Gene Therapy, 9:719-723, (2002)</i>	
	27.	<i>TELENIUS, et al, Stability of a functional murine satellite DNA-based artificial chromosome across mammalian species, Chromosome Research, 7:3-7, (1999)</i>	
	28.	<i>VANDERBYL, et al, A Flow Cytometry Technique for Measuring Chromosome-Mediated Gene Transfer, Cytometry, 44:100-105 (2001)</i>	
	29.	<i>VANDERBYL, et al, Transfer and Stable Transgene Expression of a Mammalian Artificial Chromosome into Bone Marrow-Derived Human Mesenchymal Stem Cells, Stem Cells, 22:324-333 (2004)</i>	
	30.	<i>WANG, et al, Expression of a Reporter Gene After Microinjection of Mammalian Artificial Chromosomes Into Pronuclei of Bovine Zygotes, Mol. Reprod. And Dev., 60:433-438 (2001)</i>	
	31.	<i>KERESÖ, et al, De novo chromosome formations by large-scale amplification of the centromeric region of mouse chromosomes, Chromosome Res., Apr; 4(3):226-239 (1996)</i>	
↓	32.	<i>MONTEITH, et al, Pronuclear Microinjection of Purified Artificial Chromosomes for Generation of Transgenic Mice, Methods in Mol. Biol. 240:227-242 (2004)</i>	
AS	33.	<i>MILLS, et al, Generation of an ~2.4 Mb human X centromere-based minichromosome by targeted telomere-associated chromosome fragmentation in DT40, Human Molecular Genetics, 8(5) 751-761 (1999)</i>	

Examiner Signature	/Anoop Singh/	Date Considered	10/18/2006
--------------------	---------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

SFP 21 2004

PTO/SB/08A (08-03)

Substitute for form 149A/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/811,136
				Filing Date	March 26, 2004
				First Named Inventor	Rapp, Jeffrey C.
				Art Unit	1632
(Use as many sheets as necessary)				Examiner Name	Not Yet Assigned
Sheet	1	of	7	Attorney Docket Number	AVI-025CIP

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature	/Anoop Singh/	Date Considered	10/18/2006
-----------------------	---------------	--------------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO			Complete If Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	10/811,136	
			Filing Date	March 26, 2004	
			First Named Inventor	Rapp, Jeffrey C.	
			Art Unit	1632	
(Use as many sheets as necessary)			Examiner Name	Not Yet Assigned	
Sheet	2	of	7	Attorney Docket Number	AVI-025CIP

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
AS	18.	<i>STERNBERG et al</i> , Bacteriophage P1 site-specific recombination. I. Recombination between <i>loxP</i> sites, <i>J Mol Biol.</i> , 150:467-86 (1981)			
	19.	<i>MOSCOVICI et al</i> , Continuous tissue culture cell lines derived from chemically induced tumors of Japanese quail, <i>Cell</i> , 11:95-103 (1997)			
	20.	<i>BROACH et al</i> , Recombination within the Yeast Plasmid 2μ Circle is Site-Specific, May 1982, <i>Cell</i> , 29:227-234			
	21.	<i>MUSCARELLA et al</i> , The Ribosomal RNA Gene Cluster in Aneuploid Chickens: Evidence for Increased Gene Dosage and Regulation of Gene Expression, <i>J. of Cell Biology</i> , 101:1749-56 (1985)			
	22.	<i>MATSUZAKI et al</i> , Chromosome Engineering in <i>Saccharomyces cerevisiae</i> by Using a Site-Specific Recombination System of a Yeast Plasmid, <i>Journal of Bacteriology</i> , 172:610-18 (1990)			
	23.	<i>BUERSTEDDE et al</i> , Increased Ratio of Targeted to Random Integration after Transfection of Chicken B Cell Lines, Oct. 1991, <i>Cell</i> , 67:179-188			
	24.	<i>THORNE et al</i> , Cytological evidence of maternal meiotic errors in a line of chickens with a high incidence of triploidy, 1991, <i>Cytogenet Cell Genet.</i> , 57:206-210			
	25.	<i>MIZUNO et al</i> , Basic research for interferon gene therapy against malignant glioma, <i>NO Shinkei Geka</i> , 20:547-51 (1992)			
	26.	<i>ETCHES et al</i> , Chimeric chickens and their use in manipulation of the chicken genome, <i>Poult. Sci.</i> , 72:882-9 (1993)			
	27.	<i>NAITO et al</i> , Production of germline chimeric chickens, with high transmission rate of donor-derived gametes, produced by transfer of primordial germ cells, <i>Mol. Reprod. Dev.</i> , 39:153-61 (1994)			
	28.	<i>KILLARY et al</i> , Microcell Fusion, <i>Methods Enzymol.</i> , 254:133-52 (1995)			
↓	29.	<i>MILLER et al</i> , Assignment of <i>Rfp-Y</i> to the chicken major histocompatibility complex/ <i>NOR</i> microchromosome and evidence for high-frequency recombination associated with the nucleolar organizer region, <i>PNAC</i> , 93:3958-62 (1996)			
AS	30.	<i>ROBINETT et al</i> , In Vivo Localization of DNA Sequences and Visualization of Large-Scale Chromatin Organization Using Lac Operator/Repressor Recognition, <i>Journal of Cell Biology</i> , 135:1685-1700 (1996)			

Examiner Signature	/Anoop Singh/	Date Considered	10/18/2006
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO			Complete If Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	10/811,136	
			Filing Date	March 26, 2004	
			First Named Inventor	Rapp, Jeffrey C.	
			Art Unit	1632	
(Use as many sheets as necessary)			Examiner Name	Not Yet Assigned	
Sheet	3	of	7	Attorney Docket Number	AVI-025CIP

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
AS	31.	<i>THORNE et al</i> , Genetic analysis of triploidy in a selected line of chickens, 1997; <i>J Heredity</i> , 88:495-498			
	32.	<i>KUROIWA et al</i> , Efficient modification of a human chromosome by telomere-directed truncation in high homologous recombination-proficient chicken DT40 cells, <i>Nucleic Acids Res.</i> , 26:3447-48 (1998)			
	33.	<i>THORPE et al</i> , In vitro site-specific integration of bacteriophage DNA catalyzed by a recombinase of the resolvase/invertase family, <i>PNAS</i> , 95:5505-10 (1998)			
	34.	<i>BELMONT et al</i> , In vivo visualization of chromosomes using lac operator-repressor binding, <i>Cell Biology</i> , 8:121-124 (1998)			
	35.	<i>DEJONG et al</i> , Mammalian Artificial Chromosome Pilot Production Facility: Large-Scale Isolation of Functional Satellite DNA-Based Artificial Chromosomes, 1999, <i>Cytometry</i> , 35:129-33			
	36.	<i>GRIFFIN et al</i> , Micro- and macrochromosome paints generated by flow cytometry and microdissection: tools for mapping the chicken genome, <i>Cytogenet Cell Genet.</i> , 87:278-81 (1999)			
	37.	<i>TOMIZUKA et al</i> , Double trans-chromosomal mice: Maintenance of two individual human chromosome fragments containing Ig heavy and κ loci and expression of fully human antibodies, <i>PNAS</i> , 97:722-27 (2000)			
	38.	<i>CO et al</i> , Generation of transgenic mice and germline transmission of a mammalian artificial chromosome introduced into embryos by pronuclear microinjection, 2000, <i>Chromosome Res.</i> , 8:183-191			
	39.	<i>DEJONG et al</i> , Efficient in-vitro transfer of a 60-Mb mammalian artificial chromosome into murine and hamster cells using cationic lipids and dendrimers, 2001, <i>Chromosome Res.</i> , 9:475-85			
	40.	<i>KIM et al</i> , Increased Mitochondrial-Encoded Gene Transcription in Immortal DF-1 Cells, <i>Exp Cell Res.</i> , 265:339-47 (2001)			
	41.	<i>GROTH et al</i> , A phage integrase directs efficient site-specific integration in human cells, <i>PNAS</i> , 97:5995-6000 (2000)			
AS	42.	<i>THYAGARAJAN et al</i> , Site-Specific Genomic Integration in Mammalian Cells Mediated by Phage ΦC31 Integrase, <i>Molecular and Cellular Biology</i> , 21:3926-34 (2001)			

Examiner Signature	/Anoop Singh/	Date Considered	10/18/2006
--------------------	---------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO			Complete If Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	10/811,136	
			Filing Date	March 26, 2004	
			First Named Inventor	Rapp, Jeffrey C.	
			Art Unit	1632	
(Use as many sheets as necessary)			Examiner Name	Not Yet Assigned	
Sheet	4	of	7	Attorney Docket Number	AVI-025CIP

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
AS	43.	<i>OLIVARES et al</i> , Phage R4 integrase mediates site-specific integration in human cells, <i>Gene</i> , 278:167-76 (2001)			
	44.	<i>SMITH et al</i> , Diversity in the serine recombinases, <i>Molecular Microbiology</i> , 44:299-307 (2002)			
	45.	<i>SPEKSNIJDER et al</i> , Germline Chimeric Chickens From FACS-Sorted Donor Cells, <i>Mol. Reprod. Dev.</i> , 52:33-42 (1999)			
	46.	<i>STOLL et al</i> , Phage TP901-1 Site-Specific Integrase Functions in Human Cells, <i>Journal of Bacteriology</i> , 184:3657-63 (2002)			
	47.	<i>KUROIWA et al</i> , Cloned transchromosomal calves producing human immunoglobulin, <i>Nat Biotechnol</i> , 20:889-94 (2002)			
	48.	<i>ORTIZ-URDA et al</i> , Stable nonviral genetic correction of inherited human skin disease, <i>Nat Med.</i> , 8:1166-70 (2002)			
	49.	<i>OLIVARES et al</i> , Site-specific genomic integration produces therapeutic Factor IX levels in mice, <i>Nature Biotechnology</i> , 20:1124-28 (2002)			
	50.	<i>KOLOT et al</i> , Site-Specific Recombination in Human Cells Catalyzed by the Wild-Type Integrase Protein of Coliphage HK022, <i>Biotechnol Bioeng.</i> , 84:56-60 (2003)			
	51.	<i>SHERMAN et al</i> , Transposition of the <i>Drosophila</i> element <i>mariner</i> into the chicken germ line, <i>Nat Biotech</i> 16:1050-1053 (1998)			
	52.	<i>HOLLIS, et al</i> , Phage integrases for the construction and manipulation of transgenic mammals, <i>Reprod Biology and Endoc.</i> , 1:1-11 (2003)			
	53.	<i>GROTH, et al</i> , Construction of Transgenic Drosophila by Using the Site-Specific Integrase From Phage Φ C31, <i>Genetics</i> 166:1775-1782 (April 2004)			
↓	54.	<i>ANDREAS, et al</i> , Enhanced efficiency through nuclear localization signal fusion on phage Φ C31-integrase: activity comparison with Cre and FLP recombinase in mammalian cells, <i>Nucl. Acids Res.</i> 30: No.11, 2299-2306 (2002)			
AS	55.	<i>BELTEKI, et al</i> , Site-specific cassette exchange and germline transmission with mouse ES cells expressing Φ C31 integrase, <i>Nat. Biotechn.</i> 21:321-324 (2003)			

Examiner Signature	/Anoop Singh/	Date Considered	10/18/2006
--------------------	---------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO			Complete If Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	10/811,136	
			Filing Date	March 26, 2004	
			First Named Inventor	Rapp, Jeffrey C.	
			Art Unit	1632	
(Use as many sheets as necessary)			Examiner Name	Not Yet Assigned	
Sheet	5	of	7	Attorney Docket Number	AVI-025CIP

U.S. PATENT DOCUMENTS					
		Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Examiner	Cite No. ¹	Number Kind Code ² (<i>If known</i>)			
AS	58.	US-5,175,384	12/29/92	Krimpenfort, et al.	
	57.	US-5,656,479	08/12/97	Pettite, et al.	
	58.	US20020108132A1	08/08/02	Rapp	
	59.	US20020199214A1	12/26/02	Rapp	
	60.	US20030140363A1	07/24/03	Rapp	
	61.	US20030126628A1	07/03/03	Harvey, et al.	
	62.	US-5,162,215	11/10/92	Bosselman, et al.	
	63.	US20020116732A1	08/22/02	Christmann	
	64.	US-5,011,780	04/30/91	Perry	
	65.	US-5,340,740	08/23/94	Pettite, et al.	
	66.	US-6,423,488	07/23/02	Harvey	
	67.	US-6,027,722	02/22/00	Hodgson	
	68.	US-4,997,763	03/05/91	Hughes, et al.	
	69.	US-5,731,178	03/24/98	Sippel, et al.	
AS	70.	US-6,596,296	07/22/03	Nelson, et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (<i>If known</i>)				
AS	71.		WO 02/079447	A2	10/10/02	Rapp		
	72.		WO 00/09674	A1	02/24/00	Yanagimachi		
	73.		WO 99/10505	A2	03/04/99	Etches		
	74.		WO 90/11355	A1	10/04/90	Simkiss		
	75.		WO 87/05325	A1	09/11/87	Rottman		
	76.		WO 97/47739	A1	12/18/97	MacArthur		
	77.		WO 99/42569	A1	08/26/99	Shemesh		
	78.		WO 02/064727	A3	08/22/02	Christmann		
	79.		WO 99/19472	A1	04/22/99	Ivarie, et al.		
	80.		WO 00/69257	A2	11/23/00	Readhead		
AS	81.		WO 0220752	A2	03/14/02	Christmann		

Examiner Signature	/Anoop Singh/	Date Considered	10/18/2006
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	10/811,136	
			Filing Date	March 26, 2004	
			First Named Inventor	Rapp, Jeffrey C.	
			Art Unit	1632	
(Use as many sheets as necessary)			Examiner Name	Not Yet Assigned	
Sheet	6	of	7	Attorney Docket Number	AVI-025CIP

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
AS	82.	<i>BACHILLER et al.</i> Liposome-mediated DNA uptake by sperm cells. 1991, <i>Molecular Reproduction and Development.</i> , 30:194-200			
	83.	<i>BALDARI et al.</i> , A novel leader peptide which allows efficient secretion of a fragment of human interleukin 1 β in <i>Saccharomyces cerevisiae</i> 1987, <i>E.M.B.O.J.</i> , 6:229-234			
	84.	<i>CIBELLI et al.</i> Cloned transgenic calves produced from nonquiescent fetal fibroblasts. 1998 <i>Science</i> . May 22; 280:1256-1258			
	85.	<i>COLLAS et al.</i> , Nuclear localization signals enhance germline transmission of a transgene in zebrafish , 1998, <i>Transgenic Research</i> 7, 303-309			
	86.	<i>ETCHES et al.</i> Strategies for the production of transgenic chickens. 1997 <i>Methods Mol Biol.</i> ; 62:433-50			
	87.	<i>EYESTONE AND CAMPBELL</i> . Nuclear transfer from somatic cells: applications in farm animal species. <i>J. Reprod Fertil Suppl</i> . 1999;54:489-97.			
	88.	<i>EYAL-GILADI H.</i> From Cleavage to Primitive Streak Formation: A Complementary Normal Table and a New Look at the First Stages of the Development of the Chick. 1976; <i>Dev. Biol.</i> , 49:321-337			
	89.	<i>FURUTA et al.</i> Proliferation of exogenously injected primordial germ cells (PGCs) into busulfan-treated chicken embryos. <i>Asian J Androl.</i> 1999 Dec;1(4):187-90			
	90.	<i>GAGNE et al.</i> Electroporation of Bovine Spermatozoa to carry foreign DNA in oocytes. 1991 <i>Mol. Reprod. Dev.</i> 29: 6-15			
	91.	<i>GILBERT AND WOOD-GUSH</i> , A technique for the fistulation of the hen's oviduct through the abdominal wall, with recovery of the ovum. 1963, <i>J. Reprod. Fertil.</i> 5:451-453			
	92.	<i>GODEBEY, W. et al.</i> Tracking the intracellular path of poly(ethylenimine)/DNA complexes for gene delivery. April 1999, <i>Proc Natl Acad Sci USA</i> 96:5177-5181			
	93.	<i>JAENISCH R.</i> Retroviruses and Embryogenesis: Microinjection of Moloney Leukemia Virus into Midgestation Mouse Embryos. <i>Cell</i> . 1980 Jan;19(1):181-8			
	94.	<i>LECHARDEUR, D. et al.</i> (1999) Metabolic instability of plasmid DNA in the cytosol: a potential barrier to gene transfer <i>Gene Ther.</i> 6:482-97			
V	95.	<i>LI et al.</i> Ballistic transfection of avian primordial germ cell <i>in ovo</i> . <i>Transgenic Research</i> 1995, 4:26-9			
AS	96.	<i>LOVE, et. al.</i> Transgenic Birds by DNA Microinjection. <i>Bio/Technology</i> . 1994 Jan.; 12:60-63			

Examiner Signature	/Anoop Singh/	Date Considered	10/18/2006
--------------------	---------------	-----------------	------------

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

²Applicant's unique citation designation number (optional). ³Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	10/811,136	
			Filing Date	March 26, 2004	
			First Named Inventor	Rapp, Jeffrey C.	
			Art Unit	1632	
(Use as many sheets as necessary)			Examiner Name	Not Yet Assigned	
Sheet	7	of	7	Attorney Docket Number	AVI-025CIP

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
AS	97.	<i>MUELLER et al.</i> Chimeric pigs following blastocyst injection of transgenic porcine primordial germ cells. <i>Molecular Reproduction and Development</i> . 1999, 54:244-254			
	98.	<i>MURAMATSU et al.</i> Gene gun-mediated <i>in vivo</i> analysis of tissue-specific repression of gene transcription driven by the chicken ovalbumin promoter in the liver and oviduct of laying hens. <i>Mol Cell Biochem</i> . 1998 Aug.; 185(1-2):27-32			
	99.	<i>NAITO et al.</i> Introduction of exogenous DNA into somatic and germ cells of chickens by microinjection into the germinal disc of fertilized ova. <i>Molecular Reproduction and Development</i> . 1994, 37:167-171			
	100.	<i>NAITO et al.</i> Production of germline chimeric chickens, with high transmission rate of donor-derived gametes, produced by transfer of primordial germ cells. <i>Mol Reprod Dev</i> . 1994, Oct.; 39 (2):153-61.			
	101.	<i>NAKANISHI AND IRITANI</i> , Gene transfer in the chicken by sperm-mediated methods. <i>Molecular Reproduction and Development</i> . 1993, 36:258-261.			
	102.	<i>OLSEN & NEHER</i> , The site of fertilization in the domestic fowl. <i>J. Exp. Zoo</i> 1948, 109:355-366			
	103.	<i>PAGE et al.</i> "Transgenesis in mice by cytoplasmic injection of polylysine/DNA mixtures"; <i>Transgenic Research</i> , 1995; Vol. 4, pp353-360;			
	104.	<i>PANCER et al.</i> Recovery of ova and their re-insertion into the hen's oviduct through a fistula. <i>Br Poult Sci</i> . 1989 Dec.; 30(4):953-7.			
	105.	<i>PHI-VAN AND STRATLING</i> , The matrix attachment regions of the chicken lysozyme gene co-map with the boundaries of the chromatin domain. 1988; <i>E.M.B.O. J.</i> 7(3): 655-664			
	106.	<i>POLLARD H.</i> , et al., Polyethylenimine but Not Cationic Lipids Promotes Transgene Delivery to the Nucleus in Mammalian Cells*. <i>J. Biol chem.</i> , 1998, 273: 7507-11			
	107.	<i>SANG AND PERRY</i> , Episomal Replication of Cloned DNA Injected into the Fertilised Ovum of the Hen, <i>Gallus domesticus</i> . <i>Mol. Reprod and Devlp</i> .1989, 1:98-106			
↓	108.	<i>SCHIEST RH, PETES TD.</i> Integration of DNA fragments by illegitimate recombination in <i>Saccharomyces cerevisiae</i> . <i>Proc Natl Acad Sci U S A</i> . 1991 Sept 1;88(17):7585-9			
AS	109.	<i>TANAKA ET AL.</i> Chick production by <i>in vitro</i> fertilization of the fowl ovum. <i>J Reprod Fertil</i> . 1994, 100:447-449			

Examiner Signature	/Anoop Singh/	Date Considered	10/18/2006
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.